

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
23 December 2004 (23.12.2004)

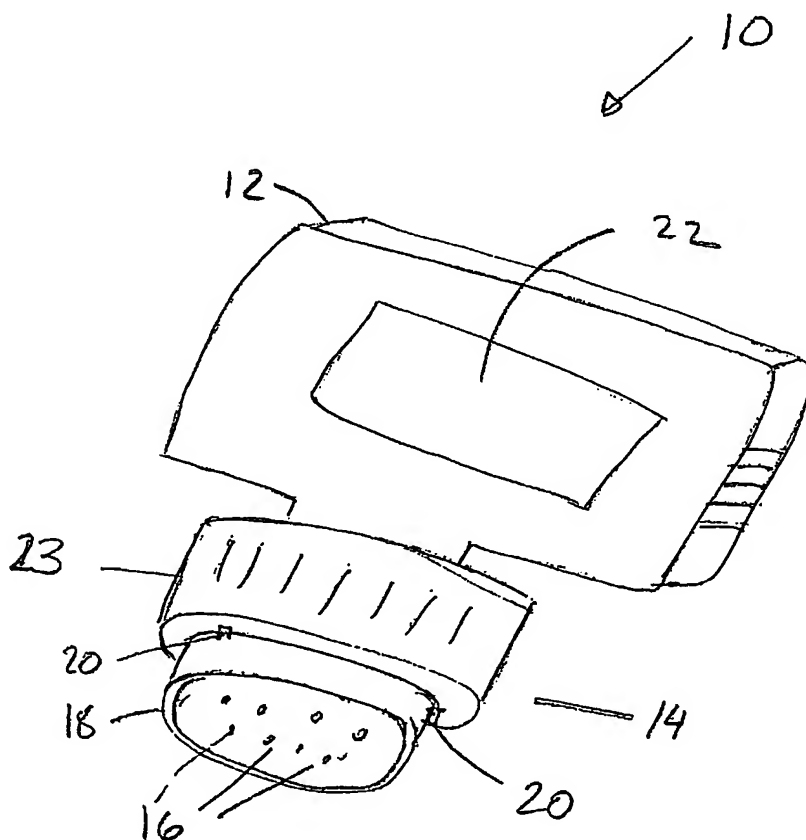
PCT

(10) International Publication Number
WO 2004/111567 A2

- (51) International Patent Classification⁷: **F42B** (74) Agent: FRIEDMAN, Mark; 7 Haomanim St., 67897 Tel Aviv (IL).
- (21) International Application Number: PCT/IL2004/000509 (81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 9 June 2004 (09.06.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 156468 16 June 2003 (16.06.2003) IL
- (71) Applicant (*for all designated States except US*): RAFAEL - ARMAMENT DEVELOPMENT AUTHORITY LTD. [IL/IL]; P.O.Box 2250, 31021 Haifa (IL).
- (72) Inventor; and
- (75) Inventor/Applicant (*for US only*): BLEIMAN, Jacob [IL/IL]; 6 Hashayara, 26263 Kiryat Haim (IL).
- (84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,

[Continued on next page]

(54) Title: MISSION CARTRIDGE



(57) Abstract: A mission cartridge and a weapon for attacking a target are disclosed. The mission cartridge, a memory unit associated with a connector element, contains information such as mission data. The connector element of the mission cartridge is mated to a matching connector element on the weapon body. Once mated, an on-board computer of the weapon uses information from the memory unit to attack the target or records flight data to the mission cartridge.



SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

- *without international search report and to be republished upon receipt of that report*

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
23 December 2004 (23.12.2004)

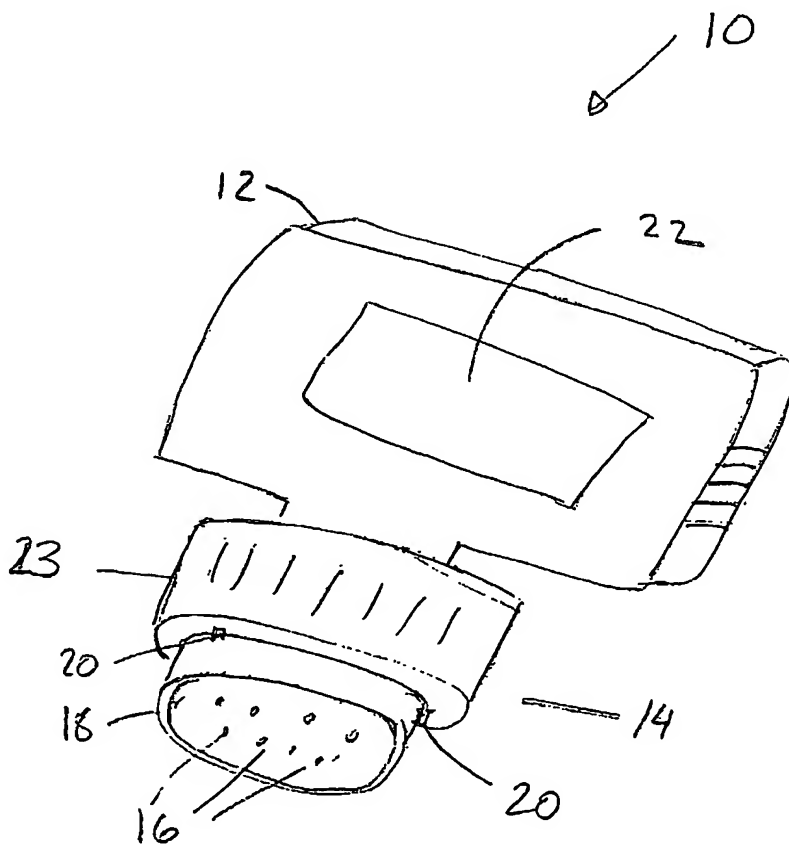
PCT

(10) International Publication Number
WO 2004/111567 A3

- (51) International Patent Classification⁷: **F41F 3/055** (74) Agent: **FRIEDMAN, Mark**; 7 Haomanim St., 67897 Tel Aviv (IL).
- (21) International Application Number: **PCT/IL2004/000509** (81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: **9 June 2004 (09.06.2004)** (81) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
- (25) Filing Language: **English**
- (26) Publication Language: **English**
- (30) Priority Data:
156468 16 June 2003 (16.06.2003) IL
- (71) Applicant (*for all designated States except US*): **RAFAEL - ARMAMENT DEVELOPMENT AUTHORITY LTD.** [IL/IL]; P.O.Box 2250, 31021 Haifa (IL).
- (72) Inventor; and
- (75) Inventor/Applicant (*for US only*): **BLEIMAN, Jacob** [IL/IL]; 6 Hashayara, 26263 Kiryat Haim (IL).

[Continued on next page]

(54) Title: **MISSION CARTRIDGE**



(57) Abstract: A mission cartridge (10) and a weapon (38) for attacking a target are disclosed. The mission cartridge (10), a memory unit (12) associated with a connector element (14), contains information such as mission data. The connector element (14) of the mission cartridge (10) is mated to a matching connector element (14) on the weapon body (38). Once mated, an on-board computer (40) of the weapon (38) uses information from the memory unit (12) to attack the target or records flight data to the mission cartridge (10).

WO 2004/111567 A3



SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) Date of publication of the international search report:
22 September 2005